

POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

GENERAL ELECTRIC - WILLOUGHBY QUARTZ PLANT  
#OHD 004-447-694

NFA  
5E0401  
A 9.03  
JLJ  
3-7-88

This General Electric Plant was included on the ERRIS list as a result of their submitted notification, required by Section 103c of CERCLA. Located in Willoughby just west of the junction of U.S. 20 and Route 91, the Quartz Plant reported having used a lagoon system as part of their acid neutralization process. The lagoons were constructed to contain the sludge precipitate that resulted from adding lime to waste hydrofluoric and hydrochloric acid.

The system was in operation between 1966 and 1980. Since that time, the sludges generated have been shipped off-site for disposal and the lagoons, in their fenced enclosure, are no longer in use. The only hazardous designation that applied to the sludge, D002/ corrosivity, is no longer valid according to OEPA files.

G.E.'s RCRA Interim Status TSD Facility permit was withdrawn in October, 1981 once it was determined that this plant qualified as a small quantity generator. The only quantity of waste had been the sludge, while it was still on the records as D002.

Prior to the withdrawal of the Quartz Plant's permit, U.S. EPA had conducted a RCRA inspection (July 21, 1981). No violations were found; the company's hazardous recordkeeping was completed. We recommend that no further action be taken at this site considering the non-hazardous nature of the lagoon's contents.

PW:km  
April 27, 1984

A. L. Bond

US EPA RECORDS CENTER REGION 5



432351



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE: OH 02 SITE NUMBER: D00447694

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) General Electric Co. - Willoughby Quartz		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER Euclid & Campbell Rd.				
03 CITY Willoughby	04 STATE OH	05 ZIP CODE 44094	06 COUNTY Lake		07 COUNTY CODE 085	08 CONG DIST 11
09 COORDINATES LATITUDE: 41° 31' 30" N LONGITUDE: 081° 26' 50" W		Mayfield Hts., OH SW 1/4 Mentor 15' Quad.				
10 DIRECTIONS TO SITE (Starting from nearest public road) East from Cleveland on Rte. 2 to Rte. 91 exit, South on Rte. 91 to U.S. 20 (Euclid Ave.), west on US 20 to plant entrance.						

III. RESPONSIBLE PARTIES

01 OWNER (if known) General Electric Company		02 STREET (Business, mailing, residential) 1099 Ivanhoe Road				
03 CITY Cleveland	04 STATE OH	05 ZIP CODE 44110	06 TELEPHONE NUMBER 216-266-4346			
07 OPERATOR (if known and different from owner) Same as site		08 STREET (Business, mailing, residential)				
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER ( )			
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN						

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)  
☐ A. RCRA 3001 DATE RECEIVED: \_\_\_\_\_ MONTH DAY YEAR  
☒ B. UNCONTROLLED WASTE SITE (CERCLA 103(c)) DATE RECEIVED: 6, 10, 81 MONTH DAY YEAR  
☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE: 7, 21, 81 MONTH DAY YEAR <input type="checkbox"/> NO		BY (Check all that apply) <input checked="" type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____			
02 SITE STATUS (Check one) <input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR: 1966 ENDING YEAR: 1980 <input type="checkbox"/> UNKNOWN			

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED  
Neutralized Acids - offsite disposal of sludges since 1980.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION  
None known - no longer corrosive

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)  
☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☒ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT Gary Gifford		02 OF (Agency/Organization) OEPA, NEDO/DHMM		03 TELEPHONE NUMBER 216-425-9171	
04 PERSON RESPONSIBLE FOR ASSESSMENT Pam Wicks		05 AGENCY OEPA	06 ORGANIZATION NEDO/DHMM	07 TELEPHONE NUMBER 216-425-9171	08 DATE 4, 27, 84 MONTH DAY YEAR



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PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: \_\_\_\_\_

(Acres)

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED



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PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA  
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES  
*Spills/runoff/standing liquids/leaking drums*

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

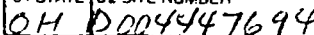
☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)



<input type="checkbox"/> A TOXIC	<input type="checkbox"/> E SOLUBLE	<input type="checkbox"/> I HIGHLY VOLATILE
<input type="checkbox"/> B CORROSIVE	<input type="checkbox"/> F INFECTIOUS	<input type="checkbox"/> J EXPLOSIVE
<input type="checkbox"/> C RADIOACTIVE	<input type="checkbox"/> G FLAMMABLE	<input type="checkbox"/> K REACTIVE
<input type="checkbox"/> D PERSISTENT	<input type="checkbox"/> H IGNITABLE	<input type="checkbox"/> L INCOMPATIBLE
		<input checked="" type="checkbox"/> M NOT APPLICABLE